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Rhodium-Catalyzed Asymmetric Conjugate Additions of Boronic Acids Using Monodentate Phosphoramidite Ligands

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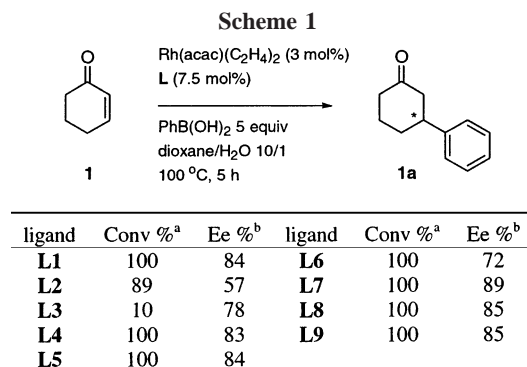
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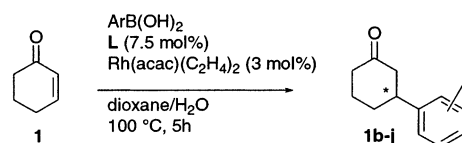
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Pages 682 and 683. Due to a processing error, the results summarized in Schemes 1 and 2 were missing in the published manuscript. The correct schemes follow:



^a Determined by ¹H NMR. ^b Determined by chiral HPLC or GC.

Scheme 2

Conjugate addition of substituted phenylboronic acids, using catalysts based on **L1** or **L7**

Entry	R =	Ligand	Product	Conv. % ^a	Ee % ^b
1	<i>o</i> -Me	L1	1b	82	63
2	<i>m</i> -Me	L1	1c	88	83
3	<i>p</i> -Me	L1	1d	85	85
4	<i>o</i> -MeO	L1	1e	52	40
5	<i>o</i> -MeO	L7	1e	60	50
6	<i>m</i> -MeO	L1	1f	95	84
7	<i>m</i> -MeO	L7	1f	88	89
8	<i>p</i> -MeO	L1	1g	78	69
9	<i>p</i> -MeO	L7	1g	65	83
10	<i>o</i> -F	L1	1h	<20	71
11	<i>o</i> -F	L7	1h	<20	73
12	<i>m</i> -F	L1	1i	40	83
13	<i>m</i> -F	L7	1i	50	85
14	<i>p</i> -F	L1	1j	60	82
15	<i>p</i> -F	L7	1j	55	86

^a Determined by ¹H NMR. ^b Determined by chiral HPLC or GC, all reactions are performed with 2 equiv of boronic acid.

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